

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Issued by DBI Certification, notified body No. 2531.

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

VMS16S-4535RGB

Scope: Vertical road signs – Variable message traffic signs

The product fulfils the essential characteristic:

See Annex 1

Intended use: Variable Message signs installed permanently for the instruction and guidance of road users on public and private road including tunnels

Placed on the market under the name or trade mark of:

Shenzhen Chip Optech Co., Ltd.
5th Floor, Tower C,
Baoshi Technological Park
Baoshi Road, Shiyan Street, Bao'an District, Shenzhen City
China

and produced in the manufacturing plant:

Huizhou Mepro Optech Co., Ltd.
Tower 12, Xinhua Av., No. 6, Chenjiang Street, Zhongkai Hi-Tech District, Huizhou,
Guangdong, China

This attests that all provisions concerning the performance described in Annex ZA of the standard(s)

EN 12966-1:2005+A1:2009 : **Road vertical signs - Variable message traffic signs - Part 1: Product standard**

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

CONSTANCY OF PERFORMANCE OF THE CONSTRUCTION PRODUCT.

This certificate was first issued on 2025-06-17 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The attached annexes form part of this certificate.

Date of issue: 2025-06-17.



Merete Poulsen
Responsible for evaluation



Christina Østergaard
Responsible for certification decision

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DBI Certification A/S

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DANAK
PROD Reg.nr.7023

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Annex 1
 EXTENT

Type	Performance	
VMS16S-4535RGB	Visual: Colour: Luminance: Luminance ratio: Beam width: Uniformity: Visible flicker: Physical environmental Temperature: Resistance to pollution: Resistance to corrosion: Degrees of protection provided by enclosure: Physical structural Safety factors: Wind pressure Dynamic pressure from snow clearances: Point loads: Temporary deflections bending: Temporary deflections torsion: Passive safety: Impact resistance: Vibration resistance:	C2 L3, L3(*) R3 B6 Pass Pass T1, T3 D3 NPD P3 (IP56) NPD NPD NPD NPD NPD NPD Class0 Pass Pass

 Annex 2
 TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
SGS-CSTC	GZEE231100455301	2025-05-16
	GZEE231100455331	2025-04-10
	GZEM231100642401	2025-04-10
	GZES231102107501	2025-04-10
	GZES231102107502	2025-04-10
	GZES231102107503	2025-04-10
	GZES231102107504	2025-04-10
	GZES231102107505	2025-04-10

 Annex 3
 TECHNICAL BASIS

File number	Title	Date
1.	Circuit diagram	2023-12-04, V1.0
2.	PCB layout	2023-12-04, V1.0
3.	User Manual	2024-02-02, V1.0
4.	Dimension drawing	2014-12-29, V A0
5.	Component lifetime declaration	2025-04-01
6.	No structural performance class declaration	2025-03-28
7.	Build of material list	2025-05-13
8.	Assembly drawing	Rev A

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